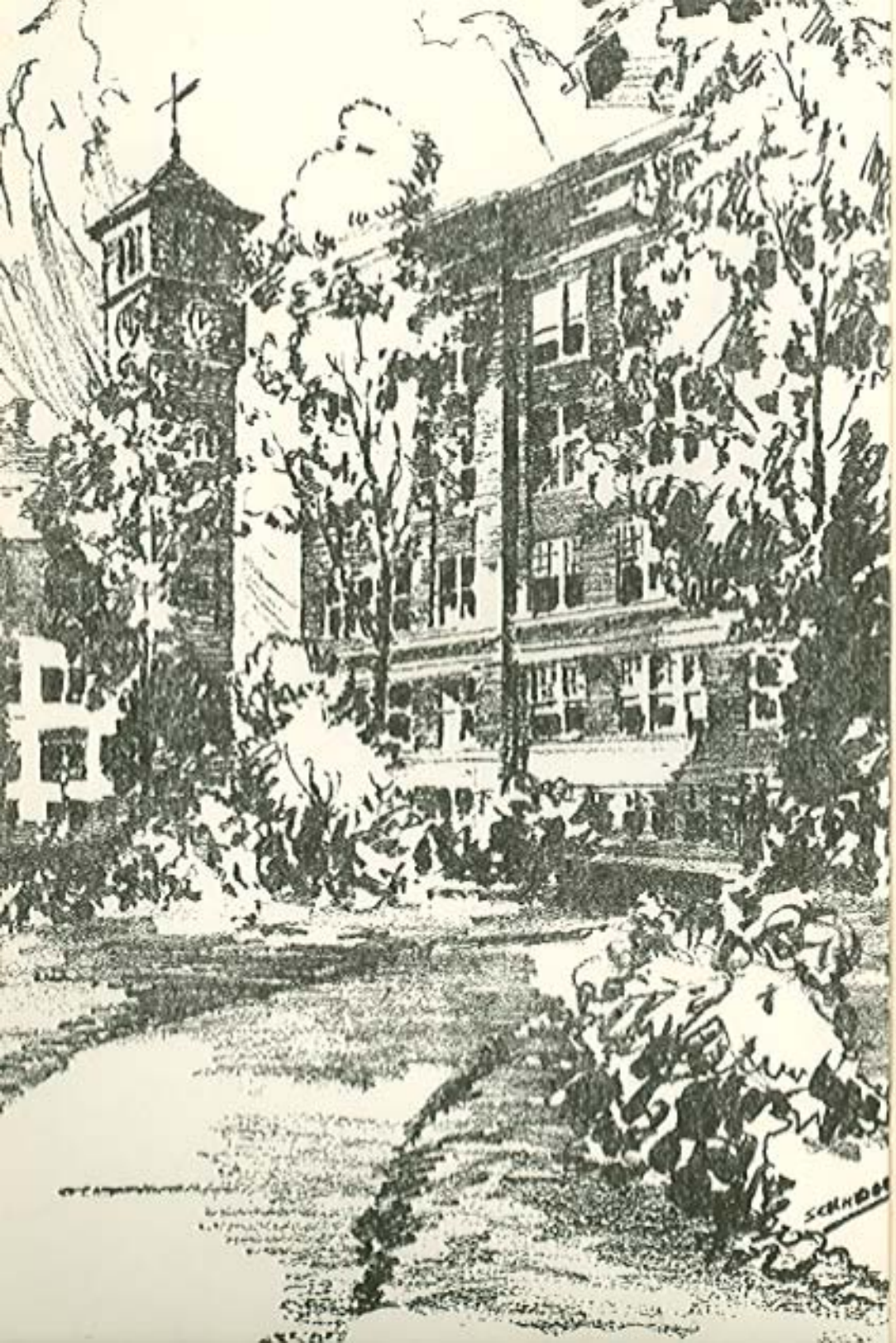
GRADUATE STUDIES

1954 - 1956

THE STOUT INSTITUTE BULLETIN

VOLUME XLVII, NUMBER 3 - FEBRUARY 1, 1954



The Stout Institute Bulletin

Graduate Studies - 1954 - 1956

VOLUME XLVIII. NUMBER 3 FEBRUARY 1, 1954

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STATED MEETINGS OF THE BOARD

Regular quarterly meetings of the Board are held on the fourth Monday in March, June, and September, and on the third Monday in December.

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COLLEGE CALENDAR

SUMMER SESSION 1954

Monday, June 21, Summer Session Begins
Friday, July 30, Summer Session Closes

REGULAR SESSION 1954-55

Monday, September 6, Labor Day
Tuesday, September 7, Freshman Registration
Wednesday, September 8, Registration for Matriculated Students, Freshman Convocation
Thursday, September 9, Registration for Matriculated Students and New Students Other Than Freshmen
Friday, September 10, Classes Convene
Friday, November 5, End of First Quarter
Wednesday, November 24, noon, Thanksgiving Vacation Begins
Monday, November 29, Classes Resume
Friday, December 17, noon, Christmas Vacation Begins
Monday, January 3, 1955, Classes Resume
Friday, January 21, First Semester Ends
Monday, January 24 and
Tuesday, January 25, Registration for Second Semester
Wednesday, January 26, Second Semester Classes Convene
Friday, March 25, End of Third Quarter
Friday, April 8, noon, Spring Vacation Begins
Monday, April 18, Classes Resume
Friday, June 3, Commencement

SUMMER SESSION 1955

Monday, June 20, Summer Session Begins
Friday, July 8, End of First Three Weeks
Monday, July 11, Beginning of Second Three Weeks
Friday, July 29, Summer Session Closes
Monday, August 1, Driver Education Begins
Friday, August 12, Driver Education Ends

REGULAR SESSION 1955-56

Monday, September 5, Labor Day
Tuesday, September 6, Freshman Registration
Wednesday, September 7, Registration for Matriculated Students, Freshman Convocation
Thursday, September 8, Registration for Matriculated Students and New Students Other Than Freshmen
Friday, September 9, Classes Convene
Friday, November 4, End of First Quarter
Wednesday, November 23, noon, Thanksgiving Vacation Begins

1953

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Monday, November 28, Classes Resume
Friday, December 16, Christmas Vacation Begins
Monday, January 2, 1956, Classes Resume
Friday, January 20, First Semester Ends
Monday, January 23 and
Tuesday, January 24, Registration for Second Semester
Wednesday, January 25, Second Semester Classes Convene
Friday, March 23, End of Third Quarter
Friday, March 30, noon, Spring Vacation Begins
Monday, April 9, Classes Resume
Friday, June 1, Commencement

SUMMER SESSION 1956

Monday, June 25, Summer Session Begins
Friday, July 13, End of First Three Weeks
Monday, July 16, Beginning of Second Three Weeks
Friday, August 3, Summer Session Closes
Monday, August 6, Driver Education Begins
Friday, August 17, Driver Education Ends

SUMMER SESSION

THE 49th and the 50th summer sessions of The Stout Institute will be held during the summers of 1954 and 1955. The summer sessions open two weeks after the close of the regular session in June.

The session will be six weeks in length. The large majority of the courses will be on the six weeks' basis. Some courses will be available in three-week units. Courses are arranged in the schedule to permit the maximum flexibility in combinations to meet current educational needs. The summer session bulletin issued in April gives full information on courses and schedule.

Summer session classes are designed to meet the needs of various groups of people. Former students and graduates have an excellent opportunity for taking advanced work. Both graduate and undergraduate work will be offered. Supervisors and teachers of industrial education or home economics can strengthen their work in techniques or in the field of education. All persons interested in specific studies related to work in industrial or homemaking courses will find much of interest in the summer session schedule. The Wisconsin State Board of Vocational and Adult Education through the use of federal teacher training funds is cooperating with The Stout Institute in the preparation of teachers for schools of vocational and adult education. The summer session schedule carries an excellent range of courses required for vocational classification.

Special lectures and conferences are included in the summer session program. It has been the policy of the college to secure special speakers particularly well qualified to handle the larger social problems of the present time. Special emphasis is given to the relationships and responsibilities which home economics and industrial education teachers have in the solution of these problems.

Credit granted for courses taken during the summer session will apply on course requirements where such courses are in the curriculum leading to the degree. The time assigned to summer session courses is increased in sufficient amount to permit students to carry the courses for the same credit as in the regular session.

Teachers whose work remaining for the degree is in an amount too large to be conveniently completed through summer sessions are advised to use one or two semesters of attendance in addition to summer session attendance. In the preparation of the summer program certain courses are offered every summer while others are alternated. Students planning to attend several summer sessions should consult advisers at the time of registration. Opportunity is offered in various courses to meet the rapidly changing requirements in teaching positions.

The April issue of *The Stout Institute Bulletin* is the annual summer session bulletin. This contains general information on the summer session, descriptions of courses, and the summer session class schedule including both undergraduate and graduate work. It will be sent on request.

ADMINISTRATION

VERNE C. FRYKLUND, *President*

JOHN JARVIS, *Dean, Division of Industrial Education, Director of Summer Session*

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RALPH G. IVERSON, *Director, Student Personnel Services*

RAY A. WIGEN, *Director of Graduate Studies*

KETURAH ANTRIM, *Dean of Women*

MERLE M. PRICE, *Dean of Men*

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E. J. SCHOEPP, *Business Manager*

JAMES THOMPSON, *Account Examiner*

MINNIE J. BECKER, *Secretary to the President*

RUDOLPH ROEN, *Superintendent of Buildings and Grounds*

H. O. STROZINSKY, *Chief Engineer*

SHIRLEY KUHN, *College Nurse*

DR. J. A. HALGREN, *College Physician*

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MRS. REBBECA NELSON, *Director of Halls and Housing, Hostess of Tainter Hall*

MRS. GERTRUDE ADAMS, *Hostess of Tainter Annex*

MRS. CHARLOTTE SIMS, *Hostess of Eichelberger Hall*

GUY SALYER, *Resident Head, Lynwood Hall*

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ROBERT A. ELFTMANN, *Assistant Librarian*

MRS. BEULAH C. HOWISON, *Assistant Librarian*

MYRTLE STRAND, *Assistant Librarian*

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MRS. IRENE HOSFORD, *Secretary to Dean of Men*

GENEVIEVE KNOPPS, *Secretary to the Registrar*

MRS. ELIZABETH LARSON, *Secretary to Dean of Home Economics*

MRS. CORRINE MOEN, *Secretary to Business Manager*

MRS. EVA ROGERS, *Secretary to Dean of Industrial Education*

CATHERINE MOFFAT, *Secretary to Director of Graduate Studies*

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GRADUATE FACULTY

VERNE C. FRYKLUND, *President.*

The Stout Institute, Diploma; Colorado College of Education, A. B.; University of Missouri, M. A.; University of Minnesota, Ph. D. The Stout Institute since 1945.

RAY A. WIGEN, *Director of Graduate Studies. Professor of Education.*

Wisconsin State College at River Falls, Diploma; University of Minnesota, B. S.; M. A.; Graduate Study. The Stout Institute since 1933.

JOHN JARVIS, *Dean of Division of Industrial Education. Professor of Industrial Education.*

University of Wisconsin, B. S. in Mechanical Engineering; The Stout Institute, B. S.; Wayne University, M. Ed.; University of Minnesota, Ph. D. The Stout Institute since 1946.

ALICE J. KIRK, *Dean of the Division of Home Economics. Professor of Home Economics.*

University of Wisconsin, B. S.; Columbia University, M. A.; Ed. D.; The Stout Institute since 1947.

DWIGHT L. AGNEW, *Head of Department and Associate Professor of Social Science.*

Park College, Parkville, Missouri, B. A.; University of Iowa, M. A.; Ph. D. The Stout Institute since 1947.

MARTHA RUTH AMON, *Head of Department of Related Art and Assistant Professor of Home Economics.*

University of Wisconsin, B. S.; M. S.; Graduate Study. The Stout Institute since 1949.

HERBERT ANDERSON, *Assistant Professor of Industrial Education, Woodworking.*

The Stout Institute, B.S., University of Minnesota, M.A.; University of Missouri, Ed. D. The Stout Institute since 1948.

MARJORY ELLIOTT, *Associate Professor of Home Economics. Home Economics Education.*

DAVID P. BARNARD, *Assistant Professor of Industrial Education. Visual Education, Photography, Lithography.*

The Stout Institute, B. S.; M. S.; Indiana University, Graduate Study. The Stout Institute since 1947.

CLARA C. CARRISON, *Assistant Professor of Home Economics. Food and Nutrition.*

Western Illinois State Teachers College, B. E.; University of Iowa, M. S. Ohio State University, Pennsylvania State College, Graduate Study. The Stout Institute since 1948.

MARJORY ELLIOTT, *Associate Professor of Home Economics, Home Economics Education.*

University of Missouri, B. S.; A. M.; University of California at Los Angeles, Graduate Study. The Stout Institute since 1949.

THOMAS FLEMING, *Assistant Professor of English.*

Wisconsin State College at Eau Claire, B. S.; University of Wisconsin, M. A.; Ph. D. The Stout Institute since 1946.

RALPH G. IVERSON, *Director of Student Personnel Services. Associate Professor of Education.*

Augustana College, B. A.; University of Minnesota, M. A.; University of California, Ed. D. The Stout Institute since 1951.

LILLIAN JETER, *Head of Department of Clothing and Textiles. Professor of Home Economics.*

Kansas State Agriculture College, B. S.; Columbia University Teachers College, M. A.; University of Nebraska, Columbia University, Graduate Study. The Stout Institute since 1927.

MARY KILLIAN, *Associate Professor of Home Economics. Food and Nutrition.*

Municipal University, Omaha, Nebraska, B. S.; Creighton University, Omaha, Nebraska, M. A.; Columbia University, St. Louis University, Graduate Study. The Stout Institute since 1947.

RAY F. KRANZUSCH, *Associate Professor of Industrial Education. Auto Mechanics, General Mechanics.*

The Stout Institute, B. S.; Iowa State College, M. S. The Stout Institute since 1924.

ANNE MARSHALL, *Head of Department and Professor of Science and Mathematics.*

Denison University, Granville, Ohio, B. S.; Ohio State University, M. A.; Ph. D. The Stout Institute since 1939.

ELLA JANE MEILLER, *Head of Department of Food and Nutrition. Associate Professor of Home Economics.*

Kansas State College, B. S.; University of Wisconsin, M. S.; Kansas State College, Graduate Study. The Stout Institute since 1950.

OTTO NITZ, *Associate Professor of Science and Mathematics.*

Elmhurst College, Elmhurst, Illinois, B. S.; University of Iowa, M. S.; Ph. D. The Stout Institute since 1952.

ANN NOBLE, *Head of Department of Home Economics Education. Associate Professor of Home Economics.*

Simpson College, Indianola, Iowa, B. A.; University of Wisconsin, M. S.; Colorado Agriculture and Mechanical College,; Ohio State University, Graduate Study. The Stout Institute since 1947.

ERICH RICHARD OETTING, *Head of Department and Professor of Psychology and Education.*

Wayne State Teachers College, Wayne, Nebraska, B. S.; University of Wisconsin; University of Nebraska, M. A. ; Ph. D. The Stout Institute since 1945.

CHARLES HARRISON PARMER, *Assistant Professor of Social Science.*

State Teachers College, Millersville, Pennsylvania, B. S.; Pennsylvania State College, M. Ed.; Ph. D. The Stout Institute since 1949.

MERLE M. PRICE, *Dean of Men. Associate Professor of Social Science.*

State Teachers College, St. Cloud, Minnesota, Diploma; University of Minnesota, B. S.; M. A.; Graduate Study. The Stout Institute since 1929.

J. E. RAY, *Head of Department of Drafting. Professor of Industrial Education. Architectural and Freehand Drawing, Masonry, Building Construction.*

Williamson Trade School, Diploma; The Stout Institute, B. S.; Iowa State College, M. S.; New York University, Ed. D. The Stout Institute since 1930.

CORYDON L. RICH, *Associate Professor of Science and Mathematics.*

Wisconsin State College at Oshkosh, Ed. B.; University of Wisconsin, Ph. M.; University of Minnesota, Graduate Study. The Stout Institute since 1931.

ROBERT RUDIGER, *Assistant Professor of Education.*

The Stout Institute, B. S.; M. S.; University of Missouri, Ed. D. The Stout Institute since 1952.

GUY SALYER, *Associate Professor of Psychology and Education.*

University of Missouri, A. B.; A. M.; University of Nebraska, Ph. D. The Stout Institute since 1948.

ROBERT SWANSON, *Instructor of Industrial Education. Woodworking.*

The Stout Institute, B. S.; M. S.; University of Minnesota, Graduate Studv. The Stout Institute since 1950.

GUSTAVE WALL, *Associate Professor of Education. Graduate Studies.*

Winona State Teachers College, Winona, Minnesota, Diploma; University of Minnesota, B. S.; M. A.; Ph. D. The Stout Institute since 1952.

LLOYD WHYDOTSKI, *Head of Department of Printing. Assistant Professor of Industrial Education. Printing and Publications.*

The Stout Institute, B. S.; Colorado State College of Education, Greeley, Colorado, M. A. The Stout Institute since 1949.

STATE BOARD OF VOCATIONAL AND ADULT EDUCATION

In conjunction with the full time faculty there is a called staff from the state board of vocational and adult education which aids in instruction. These people are called upon primarily during the summer sessions, although they are also present at intervals during the regular session.

PART TIME STAFF

There is also a part time staff which is called upon to assist on the faculty; these people come from other institutions. They come during the summer sessions to a greater extent than during the regular sessions

GENERAL INFORMATION

HISTORY

WITH THE creation of the State of Wisconsin in 1848 there came immediate recognition of the educational needs of the new commonwealth. Teacher training received prompt attention in the creation of its first normal school. Massachusetts and Pennsylvania preceded Wisconsin in the organization of normal schools; but the record shows that in 1867, less than twenty years later, Wisconsin was leading even these two states and all other states in the number of state normal schools in operation.

In 1867 Wisconsin was operating five state normal schools, one more than existed in any other state. Today the state's present political and educational leadership is dedicated to the further development of the state's educational equipment and professional standards.

The Stout Institute was founded as "Stout Manual Training School" by Senator James H. Stout of Menomonie, who financed the institution through twenty-two long critical years up to the time of his death in 1910.

In 1911, because of the importance of industrial and home economics education in the schools of the state, The Stout Institute was taken over by the state from a private ownership and operation. By legislative enactment Stout was made the state's teacher training school for teachers in these two fields of education. The Stout Institute has for almost a half century devoted its efforts to the preparation of teachers in home economics and industrial and vocational education.

Here follows a brief summary of the history of The Stout Institute.

In 1889 manual training was inaugurated in the Menomonie public schools in all twelve grades through high school.

In 1893 new buildings were built and manual training was placed under separate supervision.

In 1903 The Stout Training School was founded under private patronage. The name was changed to The Stout Institute in 1908.

In 1911 The Stout Institute was presented to the state, accepted, and placed under the control of the Board of Trustees of The Stout Institute.

In 1917 The Stout Institute was by legislative action made a college with degree-granting power.

The history of The Stout Institute would not be complete without the mention of Lorenzo Dow Harvey. On his retirement from the State Superintendency of Instruction in Wisconsin, Mr. Harvey, at the urgent invitation of Senator Stout, assumed in 1903 the presidency of The Stout Manual Train-

ing School and later of The Stout Institute. President Harvey continued in charge of The Stout Institute until the time of his death in June, 1922. In 1923 Burton Edsel Nelson became president, continuing until his retirement in 1945. Verne C. Fryklund assumed his executive duties as the third president of the institution in October of that year.

The Stout Institute was authorized in 1935 through legislative action to undertake graduate work and to grant the Master of Science degree with designated honors in (1) Industrial Education (2) Vocational Education and (3) Home Economics Education. At this time the work was carried on during summer sessions only. The first Master of Science degrees were granted in August, 1938. The graduate program was put on a yearly basis in September, 1946.

BUILDINGS AND GROUNDS

Five large, thoroughly equipped buildings (Harvey Hall, Bowman Hall, the Physical Education Building, the Trades Building and the Library) comprise the central plant. In addition, there are four dormitories, one hundred sixteen small houses for veterans, a home management house, and an infirmary. The grounds include spacious lawns for the women's dormitories and veterans homes, a practice field, tennis courts and the Burton E. Nelson Athletic Field.

The Library

The new library building houses 70,000 volumes and seats 250 readers. It has an audio-visual room, seminar rooms, and a space for displays. The library provides a wide range of reference material, particularly on home economics and industrial and vocational education. It is also rich in the fields of art, the social and natural sciences, mathematics, engineering, manufacturing, and industry. A large number of books and magazines for purely cultural reading are provided.

Laboratories and Equipment

The shops for the teaching of industrial subjects are all well equipped and kept up-to-date. The Trades Building is devoted exclusively to shops containing all needful equipment for elementary and advanced classes in carpentry, cabinetmaking, general woodwork, auto mechanics, sheet metal, painting and finishing, architectural and machine drafting, and visual education. It has provision for use of all types of visual education equipment. Bowman Hall contains shops completely equipped for work in general mechanics, foundry, printing, general metal, electrical work and machine shop practice. A physics laboratory and shops for practice teaching are also housed here. Necessary lecture rooms for general subjects are provided throughout the building.

The home economics laboratories in Harvey Hall have recently been extensively remodeled and re-equipped. This modernization program includes the laboratories used for art and home furnishings, child development, food and nutrition, home management, clothing and textiles, home economics education and the sciences. Adequate lighting and modern furnishings and equipment make for effective instruction in pleasant and comfortable surroundings. The Stout Institute home economics laboratories, because of their unique nature and functional arrangement, have attracted hundreds of visitors from the United States and many other countries.

Auditorium

One of the wings of Harvey Hall houses a large, modern auditorium with a seating capacity of 800. At least once every two weeks an attractive program of an educational or entertainment nature is presented by nationally known speakers or entertainers. The large stage makes possible the appearance of large musical organizations, local and traveling, and provides excellent facilities for work in dramatics.

Home Management House

A thoroughly modern and fully equipped Home Management House located near the Infirmary contains all conveniences and accommodations needed in such a building. Recreation room, store room, and laundry are found in the basement. A large living room, kitchen, and director's living quarters are on the first floor. On the second floor are comfortable, well-lighted student rooms. The Home Management House is well planned and equipped to further the objectives of Family Life Education.

The Infirmary

The Stout Institute maintains an infirmary for the care of students, where every detail of health is carefully supervised. A resident registered nurse supervises the health of students throughout the college and is on duty at the infirmary. The nurse maintains regular office hours in her rooms in Harvey Hall. A college physician is available for consultations. Students are given a medical examination upon entrance and graduation.

A Student Health fee of $2.50 per semester is paid by all students. This fee insures dispensary service, physical examinations, and three days of infirmary care without charge. After the third day a charge of $1.50 a day will be made for meals. Students rooming in dormitories where meals are served will not be charged for meals while in the infirmary.

Any student who is too ill to attend classes should report at once to the school nurse. Students living in Menomonie shall have their parents or guardian notify the school nurse. Cases of severe illness or other serious

situations that will enforce prolonged absence should be reported to the Dean of Women and Dean of Men.

The Tea Room

The Stout Tea Room is used chiefly as a laboratory for classes in applied institution management. Attractive, well balanced, inexpensive meals are served. On these occasions, the Tea Room is open to students, faculty, and their friends.

The Cafeteria

The Stout Cafeteria, located in the east end of Harvey Hall, is used by students, faculty, and their friends. The dining room is modern and colorful. Excellent and inexpensive meals are served daily. Students can obtain adequate meals at from $8.00 to 10.00 per week. The complete cafeteria service is under the Director of Institution Management. Students are advised to eat their meals in the cafeteria, using meal tickes provided. The cafeteria will open on Monday noon of the first week of the college year.

The Student Union

The Stout Union, located on the second floor of the Physical Education Building, is a large room provided with a number of tables and chairs suitable for serving light refreshments. The snack bar is open throughout the entire day and evening. Lounge chairs and upholstered wall benches furnish comfortable seats for groups wishing to chat with friends or watch television. The clubroom adjoins the Union and contains facilities for pool, billiards, ping pong, and bowling. A large swimming pool is enjoyed throughout the school year and is an important addition to the recreational facilities.

HOUSING

Living Facilities

Accomodaions for graduate students may be procured in he city. Rates vary in terms of location and service.

Dormitories

Dormitories are maintained by the college for both men and women. However, undergraduate reservations normally absorb all available space. Graduate students should not plan on dormitory reservations.

Housing Reservations

Prospective students are urged to make early reservations for accommodations. All requests for housing should be made on the *Housing Application* form included in the last page of this bulletin.

Further information regarding men's and veterans' housing may be obtained from the Dean of Men; information regarding women's housing may be obtained from the Dean of Women.

VETERANS SERVICE

Special assistance is given veterans by the Dean of the Industrial Education Division. His office provides veterans with current information on veterans affairs and maintains liaison between the Veterans Administration and the college.

PLACEMENT

The Stout Institute maintains a placement office which assists qualified graduates in finding suitable positions as teachers or administrators in the schools of Wisconsin and other states. Qualified Stout graduates secure excellent jobs and positions, and the demand for graduates from Stout exceeds the supply. The work is handled by a placement committee; requests for placement information should be addressed to Miss Gertrude M. O'Brien, Placement Chairman. One week's notice should be given with regard to requests for transcripts of credit.

FINANCIAL INFORMATION

GRADUATE TUITION AND FEES

(Regular Session)

Tuition for non-residents of Wisconsin per semester	$100.00
Legislative fee	12.00
Graduate course fee per semester hour credit	3.00
Library fee	5.00
Health service fee	2.50
Activities fee	11.50
Special examination fee	2.00
Diploma fee	5.00
Thesis binding fee, each	2.00

Any expense incurred by graduate students during the conduct of research problems, such as printing of questionnaires, maps, charts, postage, typing of reports, etc., is the responsibility of the student and must be supplied and paid for by the student. Bound copies of these will be sent to the writer via postage collect.

All graduate students under Plan A are required to submit for correction one typewritten copy of the rough draft of a thesis and four typewritten copies of the final thesis.

STUDENTS TAKING BOTH GRADUATE AND UNDERGRADUATE COURSES

(Split Program — Regular Session)

Tuition for non-resident of Wisconsin per semester	$100.00
Legislative fee	12.00
Graduate course fee per semester hour credit	3.00
Library fee	5.00
Undergraduate general fee	30.00
Health service fee	2.50
Special examination fee	2.00
Activities fee	11.50
Diploma fee	5.00

GRADUATE TUITION AND FEES

(Summer Session)

Tuition for non-residents of Wisconsin (6 weeks)	$ 33.00
(3 weeks)	16.50
Graduate course fee per semester hour credit	3.00
Library fee	3.00

Activities fee	3.00
Special examination fee	2.00
Diploma fee (at graduation)	5.00
Special fee, legislative	4.00

STUDENTS TAKING BOTH GRADUATE AND UNDERGRADUATE COURSES

(Split Program — Summer Session)

Tuition for non-residents of Wisconsin (6 weeks)	$ 33.00
(3 weeks)	16.50
Graduate course fee per semester hour credit	3.00
Undergraduate fee	10.00
Library fee	3.00
Activities fee	3.00
Special examination fee	2.00
Diploma fee (at graduation)	5.00
Special fee, legislative	4.00

Regular session: The tuition charge for nonresidents and the definition of nonresidents are covered in the following quotation from the Wisconsin statutes:

"Any student attending The Stout Institute who shall not have been a resident of the state for one year next preceding his first admission thereto shall pay a tuition fee of two hundred dollars for the school year and a proportionate amount for attendance at the summer session." Tuition is payable in advance each semester.

Research expense: All graduate students under Plan A are required to submit one typewritten copy of the rough draft of a thesis for correction and four typewritten copies of the final thesis, for final records. The student pays the typist at prevailing rates. Maps, charts, questionnaires, etc., must be supplied and paid for by students.

A Student Health fee, paid by all students, provides dispensary service, physical examinations and three days of hospital care without charge. After the third day a charge of $1.50 a day will be made for meals. Students rooming in dormitories where meals are served will not be charged for meals while in the infirmary.

The library fee covers the use of the reference library. In certain courses, specific texts will be designated which students will purchase.

The college activities fee covers participation in all of the special activities throughout the year including the college union. Various attractions, social events, and entertainments, besides a number of special educational events are included. Admission to all of them is covered by the single fee.

STUDENT LOANS

The State of Wisconsin makes loans available to needy resident students attending The Stout Institute. The amount of such loans is not to exceed $200.00 per year for fees and is not to exceed $120.00 per semester for partial maintenance purposes. Loans are not made to students prior to the end of the fourth week of attendance.

The Eichelberger Loan Fund was established through a legacy from Mrs. Mary J. Eichelberger of Horicon, Wisconsin. Loans from this fund may be made after one year of attendance.

The Fred A. Fischer Memorial Loan Fund was created by a gift from the parents and friends of Fred Fischer, a Stout alumnus, who died in service in 1952.

Students who need financial aid may be granted a loan from the funds listed above by the Committee on Loans.

STUDENT EMPLOYMENT

Stout attempts to provide on-campus employment for as many needy students as possible. It also assists students to find off-campus employment in Menomonie. Of course, the duration of the part-time employment is dependent upon the scholastic achievement of the students. Students who devote a substantial part of their time to part-time employment are expected to register for a reduced program of studies.

REFUNDS

Students who are compelled to withdraw from college by reason of illness or entry into the armed forces are entitled to a refund from the date when notice of such withdrawal is received before the end of the semester. Such refund will not be given in cases where the illness is due to poor physical conditon or ill health existing prior to enrollment. Any request for withdrawel from college must be accompanied by written permission of the student's parents.

Students boarding in the dormitories are also entitled to a refund of whatever amount has been advanced for board beyond the date when notice of withdrawal is received.

Refund for advance payment of room rent in the dormitories is allowed from the date when the room is again rented. Effort is made to get an occupant at the earliest date possible.

As books and supplies for which fees are charged have to be bought in advance in quantities necessary to supply the entire enrollment, no refund of fees is made in any case.

ACADEMIC INFORMATION

THE GRADUATE PROGRAM at The Stout Institute is established to meet the present-day needs of teachers and administrators of Home Economics Education and Industrial Education. The graduate curriculum is planned so that prospective teachers and administrators may earn the degree of Master of Science with a major in Industrial Education, Home Economics Education, Home Economics, or Vocational Education. The teacher certification laws, the trade experience, the educational preparation, and professional objectives determine the type of graduate program essential to meet those specialized needs.

OBJECTIVES

The objectives of the graduate curriculum are:

1. Extension of the broad general culture of teachers.
2. Preparation in research procedures in home economics and industrial education.
3. Continued study of specific competency in one of the major fields: Home Economics, Industrial Education, or Vocational Education.
4. Attainment of advanced skills in professional techniques or exploring new techniques.
5. Opportunity for concentrated study of the more strictly professional phases of teaching for those whose undergraduate study did not make adequate provisions.
6. Provisions for the development of desirable personal and social qualities of teachers.

ADMISSION

Admission requirements for the graduate program of The Stout Institute are as follows:

GENERAL REQUIREMENTS

Students may enroll for graduate courses who meet the following requirements: (a)—Received the Bachelor's Degree from The Stout Institute, or an accredited college or university. (b)—Graduated with a 1.5 point average in undergraduate course work.

SPECIAL REQUIREMENTS

Industrial Education Major—Undergraduate credits required: Technical shop and drafting courses, 42 semester hours; Education courses including general psychology, 26 semester hours. A variation of 6 semester hours is permitted in each field, provided the total is 68 semester hours.

Home Economics and *Home Economics Education Majors* — (a) a baccalaureate degree in Home Economics or Home Economics Education from an accredited college or university whose requirements for such a degree are substantially the same as those of The Stout Institute. (b) Adequate preparation (prerequisite courses) to enroll in graduate courses in the chosen field.

Vocational Major—Certified vocational teachers with a bachelor's degree in the fields of agriculture, commerce, engineering, industrial education and home economics education who possess 42 technical hours in their specialized fields, and 26 semester hours in education including general psychology may be admitted to graduate work for a vocational major. A variation of 6 semester hours in technical or education fields is permitted provided the total is 68 semester hours. Students are required to secure statements of certification as vocational teachers from their respective State Vocational Directors.

APPLICATION

Those applying for admission to graduate studies should fill out the application form located in the back of this bulletin. Send application forms to the Director of Graduate Studies, The Stout Institute, Menomonie, Wisconsin. Applications for admission must be complete and accurate. Failure to include requested information or misrepresentation may be basis for denying the applicant admission. Late registration is discouraged. All students are expected to register on general registration days.

ADMISSION TO CANDIDACY

1. Admission to the graduate studies program does not of itself imply "admission to candidacy" for the master's degree. Admission to candidacy is determined only after the student has successfully completed not less than 12 semester hours of graduate work at The Stout Institute. 2. A student desiring to be admitted to candidacy for a master's degree must make application with the Director of Graduate Studies at least one month prior to the opening of the semester in which the degree is sought. 3. The student must meet all special admission requirements, including the qualifying examination, for the major fields (Home Economics, Home Economics Education, Industrial Education, and the Vocational major).

TRANSCRIPT OF CREDITS

Students from colleges other than The Stout Institute must have their transcripts sent to the Registrar not less than one month prior to the opening of school. Important consideration of the graduate committee in granting approval on applications will be that the student have a grade point average of 1.5 as an undergraduate.

Evidence of satisfactory experience is desirable. Students whose admission status has not been clearly established may be accepted on probation.

TRANSFER OF CREDITS

Graduate credit from other institutions is limited to six semester hours. This credit must be recorded as graduate credit on an original transcript. These credits must apply to the student's sequence of courses at Stout. (Consult Director of Graduate Studies.)

SENIORS (SPLIT PROGRAM)

Qualified seniors who do not require full time to complete their undergraduate work within the enrollment period of one semester or one summer session may enroll for graduate courses with the permission of the Dean of the undergraduate school and the Director of Graduate Studies. This permission must be obtained prior to registration; credit earned prior to this will not be accepted as graduate credit. The limit of the total hours carried should not exceed that set as the normal load. Full residence will not be granted for the period in which such work is taken.

REQUIREMENTS FOR GRADUATION

The graduate requirements for the Master of Science Degree with a major in Industrial Education, Home Economics Education, Home Economics, or Vocational Education are as follows:

1. Completion of 30 semester hours in one of the fields—Industrial Education; Home Economics Education; Home Economics; or Vocational Education.

Industrial Education

Major—Industrial Education—20 semster hours

Minor—Eduation—Science—10 semester hours

Home Economics Education

Major—Home Economics Education—20 semester hours

Minor—10 semester hours in Home Economics

Home Economics

Major—20 semester hours in one of the following fields:
Food and Nutrition; Clothing, Textiles and Related Art.

Minor—10 semester hours selected from courses in the following fields; Home Economics Education; Food and Nutrition; Family Life; and Clothing, Textiles, and Related Art; and the related arts and sciences. Courses in the minor field should not be selected by the student from the major field sequence of courses.

Vocational Education

Major—Vocational Education—20 semester hours in Industrial Education or Home Economics Education.

Minor—10 semester hours in Education, Science, Social Science, Home Economics Education, or Home Economics.

2. Fifty percent of the semester hours credit required for the Master's degree must be scheduled in graduate courses (500 series).

3. All senior college courses (300-400 series) must be approved on the basis of the individual's needs as indicated by present objectives and previous courses.

4. Not more than three seminars, six semester hours in problems in the technical shop fields, or six semester credits in workshops may be used for graduate credit.

5. Graduate courses required of all students: Education 501, Research Procedures; Education 561, Educational Statistics; and Industrial Education or Home Economics 510, Problems in Industrial Education or Home Economics Education.

6. Transferred graduate credit from other institutions is limited to six semester hours. This credit must be recorded as graduate credit on original transcript. These credits must apply to student's sequence of courses at Stout. (Consult Director of Graduate Studies.)

7. Requirements for the master's degree must be completed within a six year period. Requests for extensions will be given consideration by the Graduate Committee.

8. Residence requirements are one academic year of five six-week summer sessions. The acceptance of six semester hours of graduate credit from another institution will reduce the residence requirements to four six-week summer sessions or three quarters (27 weeks) of the regular academic year.

9. The standard of work on the graduate level requires that the candidate for the master's degree must obtain a "B" average for 24 semester hours of course work for Plan A; or 30 semester hours for Plan B.

10. "Incompletes" are given in cases in which the absence incurred has been due to situations over which neither the student nor the instructor has any control. However, the student must have a passing grade in the course at the time of withdrawal. In graduate work, incompletes are also given in cases in which completion of research requires more time than is available during the course. In such cases, the incomplete must be made up within three years following the end of the course.

11. Candidates for the Master of Science degree must write the Qualifying Examination. This examination is used by the graduate committee to evaluate the student's fitness to continue work on the graduate level. Students must complete six hours of graduate work before taking the examination. Notice will be posted informing students as to the time and place of the examinations.

12. The maximum load that may be taken by a graduate student is sixteen semester hours per semester. Full resident credit will be granted to graduate students carrying a minimum of twelve semester hours credit per semester during the regular academic year. During the six week summer session, the maximum is six, and the minimum is four semester hours.

THESIS AND INVESTIGATION REQUIREMENTS

GENERAL INSTRUCTIONS FOR THESIS — PLAN A AND INVESTIGATIONS — PLAN B

The graduate program at The Stout Institute provides opportunities for students to acquire preparation in the understanding, interpretation, and application of research procedures. All students are required to take the basic courses: Ed. 501 Research Procedures, Ed. 561 Educational Statistics, and I. E. 510 Problems in Industrial Education, or H. E. 510 Problems in Home Economics Education. Two plans are available for students to satisfy the research requirements:

PLAN A. *Thesis* in major field involving original research, the research to be prepared according to the approved form. Register for Ed. 570, Thesis, for 2, 4, or 6 semester hours for a total of 6 semester hours.

PLAN B. *A written report* is required in addition to or in conjunction with the regular course work in one of the 500 series graduate courses. The report must be acceptable to the instructor of the graduate course in terms of subject, content, and form. Enroll in a 500 series graduate course related to the selected problem for the written report.

The student, in conference with a major adviser, should select the plan that meets his professional needs and interests. In a series of conferences with advisers developing the plan for the thesis or investigation, certain considerations must be constantly recognized:

1. The study should be of significance in its field.
2. The study should be clearly limited.
3. The study should raise distinct questions.
4. The data for research must be available to the student conducting the study.
5. The problem should be within the field and ability of the student.

The problem must not be a mere compilation based on individual personal opinon. Where new combinations and new applications appear in the study, they should be based upon the expressed opinion of competent persons, or reliable objective data. Preparation of courses of study and curriculum plans derived from class techniques do not constitute acceptable theses but may be used for Plan B. Studies of this type, if used in Plan A, should in-

volve survey, analysis, or evaluation procedures and should not be titled as courses of study.

INSTRUCTIONS FOR PLAN A

The general instructions for Plan A are as follows:

1. Consult the Director of Graduate Studies during your first enrollment period for the purpose of selecting your major faculty adviser.
2. Consult your major adviser to plan total graduate program, to discuss possible thesis problems, and to integrate the problem with your graduate program.
3. Consult your major adviser about the selection of a thesis adviser who directs the student's research.
4. Enroll for course Ed. 570, Thesis. The student may enroll for 2, 4, or 6 semester hours. There must be a total of six semester hours, however, when the thesis is completed. Students should start on he thesis not later than the third quarter during the regular session, or later than the third summer session.
5. Fill out three Preliminary Statement sheets when the thesis adviser has accepted the plan for study. Secure these statement sheets from the Director of Graduate Studies and return them to the Director when they have been properly filled out. When completed, the tentative statement sheets are distributed as follows:
   a. One copy to the student.
   b. One copy to the Director of Graduate Studies.
   c. One copy to the thesis adviser.
6. Secure the form for Recording the Thesis in Progress from the Director of Graduate Studies. Fill out the form and return it to the Director promptly. This form is essential to protect the investigator's priority rights for the problem.
7. Secure the Form for Checking Preliminary Techniques and Devices for Theses from the Director of Graduate Studies. Check all techniques and devices to be used in the study. When all the techniques and devices have been prepared, secure the signature of the faculty member who is responsible for the various techniques and devices to be used in the study.
8. Secure a copy of the instructions for the English Outline from the Director of Graduate Studies. Prepare an English outline for your study.
9. Check the progress of your study with your thesis adviser periodically.
10. Purchase a *Manual For Writers of Dissertations* by Kate Turabian from the Business Manager's office, The Stout Institute. Secure a *Format of the Investigation* for writing theses and specified course papers from the Director of Graduate Studies. In all cases of style that are not covered in the format issued by the Director of Graduate Studies, the student should follow the instructions in the manual by Turabian.

11. Secure a *Form for Checking the Thesis for Plan A* from the Director of Graduate Studies. When the student has completed the first draft (rough draft) of the study, he should present it to each of the faculty checkers for his review and signature. When the first draft of the study has been checked by the faculty members, the student should bring it to the Director of Graduate Studies for instructions for typing the final copy. Four (4) copies of the study should be typed if the student desires a personal copy. Home Economics students should have five (5) copies typed. When the final copy has been typed, the student should again secure the signatures of the faculty checkers on the *Form For Checking The Thesis.* This final check indicates that the thesis is acceptable and that the student is eligible for the final oral examination.
12. Secure *Thesis Abstract Form* from the Director of Graduate Studies. Fill out this form and return it to the Director of Graduate Studies prior to the oral examination.
13. When all of the final copies of the thesis have been checked, present them to the Director of Graduate Studies. Arrangements for the final oral examination may then be made.
14. Final Oral Examination — Clearance for the Final Oral Examination is dependent on the satisfactory completion of the following:
    a. Student Credit Sheet
       (1) Obtain copy from Director of Graduate Studies.
       (2) Obtain Signature of Registrar on this sheet, and
       (3) Return to the office of the Director of Graduate Studies.
    b. Completion and acceptance of *Thesis Abstract Form.*
    c. The date and hour for the Final Oral Examination will then be set by the Director of Graduate Studies.

INSTRUCTIONS FOR PLAN B

(*Revised,* 1952)

The purpose of the revised Plan B is to permit graduate students an opportunity to secure additional course work with an emphasis on master teacher objectives. Students electing this plan must complete a total of 30 semester hours of course work, including the courses: Ed. 501 Research Procedures; I. E. 510 Problems in Industrial Education or H. E. 510 Problems in Home Economics Education; and Ed. 561 Educatonal Statistics if not included in undergraduate courses.

Plan B includes the preparation of a written report, in addition to or in conjunction with the regular course work in one of the 500 series graduate courses. The report must be acceptable to the instructor of the graduate course in terms of subject, content, and form. One typewritten copy must be presented to the instructor at last one week prior to the end of the course, or at such time as the instructor may designate. Written notice that the paper has been completed and is acceptable, signed by the instructor in charge of the course, must be filed in the graduate office. The typewritten report must be filed in the instructor's office.

GRADUATE OFFERINGS

The graduate program of The Stout Institute is organized in terms of the integrated five-year program and in terms of major and minor preparations in the field of Industrial Education, Home Economics Education, Home Economics, or Vocational Education.

The Integrated Five-Year Program: Leaders in teacher education have long recognized that five years are essential to prepare qualified teachers. There are many courses in teacher preparation that cannot be included in a four year program. A sheet called Basic Areas of Educational Preparation is used for the control of student-faculty cooperative planning in terms of a balanced program and professional objectives. Each graduate student will secure one of these sheets from the Director of Graduate Studies and select a major faculty adviser. The basic areas are philosophy of education, psychology, curriculum construction, research procedures, administration, supervision, special professional fields, instruction, social and economic competency, guidance, measurements and evaluation, and field service problems. Students should select courses in terms of undergraduate deficiencies, professional objectives, and major and minor fields.

INDUSTRIAL EDUCATION

INDUSTRIAL EDUCATION MAJOR — The requirements for the Master of Science degree with a major in Industrial Education are as follows:

Thirty semester hours are required with a distribution of credits as follows:

Twenty semester hours selected from the courses listed for Industrial Education major including one of the following plans:

Plan A — Thesis in major field involving original research, the research to be prepared according to the approved form. Register for Ed. 570, Thesis, for 2, 4, or 6 semester hours, for a total of 6 semester hours.

Plan B — A written report is required in addition to or in conjunction with the regular course work in one of the 500 series graduate courses. The report must be acceptable to the instructor of the graduate course in terms of subject, content, and form. Enroll in a 500 series graduate course related to the selected problem for the written report.

Ten semester hours from the courses listed for the minor in Education, Science, and Social Science.

INDUSTRIAL EDUCATION COURSES — MAJOR

		Sem. Hrs.
Ed. 401	Guidance	2
Ed. 402	Philosophy of Vocational and Adult Education	2
Ed. 423	Safety Education	2
Sci. 432	Heredity and Eugenics	2 or 3
Ed. 439	Production of Audio-Visual Materials	2
Ed. 441	Education Evaluation	2
Ed. 470	Conference Leading I	2
Ed. 472	Coordination	2
Ed. 475	Interviewing Techniques	2
Ed. 480	Theory and Organization of General Shop	2
Ed. 500	Philosophy of Modern Education	2
*Ed. 501	Research Procedures	2
Ed. 502	Principles of Supervision	2
I.E. 506	Problems in Supervision	2
*I.E. 510	Problems in Industrial Education	2
Ed. 514	Vocational Psychology	2
I.E. 520	Labor and Industrial Relations	2
Ed. 524	Social Maladjustment	2
I.E. 526	Administration	2
Ed. 531	Problems in Guidance	2
I.E. 533	Survey Procedures	2
I.E. 537	Curriculum Procedures III (Course Development)	2
I.E. 557	Problems in Graphic Arts	2
I.E. 560	Problems in Audio-Visual Education	2
Ed. 568	Curriculum Procedures II (Trade and Job Analysis)	2
Ed. 570	Thesis	6

* *Required Course.*

Courses from the Vocational major may be selected for the Industrial Education major.

EDUCATION, SCIENCE, SOCIAL SCIENCE MINOR

		Sem. Hrs.
Ed. 360	Audio-Visual Education	2
S.S. 407	History of the Americas	3
S.S. 409	Recent History of the United States	2
S.S. 410	Modern World	3
S.S. 411	Social Problems	2
S.S. 417	American Politics	2
Sci. 427	Physics IV — Electronics	3

Sci. 442	Community Hygiene	2 or 3
Ed. 448	Driver Education	2
Ed. 452	Driver Education (Advanced)	2
Ed. 513	Personality and Mental Health	2
Ed. 555	Psychology of Learning	2
*Ed. 561	Educational Statistics	2

* *Required Course.*

VOCATIONAL EDUCATION

The requirements for the Master of Science Degree with a major in Vocational Education are as follows:

Candidates must meet the requirements of The Stout Institute for the Bachelor of Science degree with a major in Vocational Education. They also must be certified vocational teachers.

Thirty semester hours are required with a distribution of credits as follows:

Twenty semester hours selected from the courses listed for Vocational Education major, including one of the following plans:

PLAN A — *Thesis* in major field involving original research, the research to be prepared according to the approved form. Register for Ed. 570, Thesis, for 2, 4, or 6 semester hours, for a total of 6 semester hours.

PLAN B — *A written report* is required in addition to or in conjunction with the regular course work in one of the 500 series graduate courses. The report must be acceptable to the instructor of the graduate course in terms of subject, content, and form. Enroll in a 500 series graduate course related to the selected problem for the written report.

Ten semester hours from the courses listed for the minor in Education, Science, and Social Science.

VOCATIONAL EDUCATION COURSES

(Industrial Education Division) — Major

		Sem. Hrs.
Ed. 303	Educational Psychology	2
Ed. 401	Guidance	2
Ed. 402	Philosophy of Vocational and Adult Education	2
Ed. 403	Workshop in Trade and Industrial Education	2
Ed. 407	Teaching Trade and Industrial Subjects	2
Ed. 423	Safety Education	2
Ed. 439	Production of Audio-Visual Materials	2
Ed. 441	Education Evaluation	2
Ed. 443	Problems in Teaching Trade and Industrial Subjects	2
Ed. 470	Conference Leading I	2
Ed. 471	Conference Leading II	2
Ed. 472	Coordination	2

Ed. 475	Interviewing Techniques	2
Ed. 490	Workshop in Tests and Measurements in Counseling	2
Ed. 491	Occupational Information and Guidance	2
Ed. 492	Administration of Vocational and Adult Ed.	2
*Ed. 501	Research Procedures	2
Ed. 502	Principles of Supervision	2
I.E. 506	Problems in Supervision	2
*I.E. 510	Problems in Industrial Education	2
Ed. 514	Vocational Psychology	2
Ed. 524	Social Maladjustment	2
I.E. 526	Administration	2
Ed. 531	Problems in Guidance	2
I.E. 533	Survey Procedures	2
I.E. 537	Curriculum Procedures III (Course Development)	2
I.E. 557	Problems in Graphic Arts	2
I.E. 560	Problems in Audio-Visual Education	2
Ed. 568	Curriculum Procedures II (Job and Trade Analysis)	2
Ed. 570	Thesis	6

* *Required Course.*

VOCATIONAL TEACHER CERTIFICATION

Certification Requirements — Wisconsin Vocational Teachers. The courses referred to as certification courses for Wisconsin Vocational Teachers are as follows:

For All

		Sem. Hrs.
Ed. 402	Philosophy of Vocational and Adult Education	2
Ed. 303	Educational Psychology	2
Ed. 401	Guidance	2
	Elementary Economics	4
	Socio-Economics Electives	4

For Home Economics

Ed. 413	Teaching Voc. and Ad. Homemaking	2
Ed. 416	Probs. in Teach. Voc. and Ad. Homemaking	2

For Industrial Education

Ed. 407	Teaching Trade and Industrial Subjects	2
Ed. 443	Problems in Teaching Trade and Industrial Subjects	2

(For detailed information, see Teacher Training Series Bulletins, Wisconsin State Board of Vocational and Adult Education.)

VOCATIONAL EDUCATION

(Home Economics Division) — Major

Candidates for the Vocational Major in Home Economics Education must meet the requirements of The Stout Institute for the Bachelor of Sci-

ence degree with a major in Vocational Education. They must also be certified vocational teachers. Courses may be selected from the Home Economics Education major or from the Home Economics major. The student should select courses in terms of professional needs with the assistance of the faculty adviser. Twenty semester hours are required in the major field and ten semester hours are required in the minor field. All students are required to include *Plan A* or *Plan B* in their graduate program.

HOME ECONOMICS

The graduate program leading to a Master of Science degree offers advanced students an opportunity to prepare for executive and administrative positions of leadership in the profession. Intensive and specialized courses are provided to enable students to prepare for selected professional objectives. Regardless of the major selected, the following general requirements must be met:

General Requirements

1. The candidate for the Master's Degree must select either *Plan A* or *Plan B*. For detailed information concerning these two plans, see Thesis and Investigation Requirements.

2. *Plan A* or *Plan B* papers must be completed and in the hands of the advisers ten days before the scheduling of an oral examination or the end of the semester. It is not feasible for advisers or faculty members to direct studies or to offer detailed guidance through correspondence on either *Plan A* or *Plan B*.

3. Special committee: The candidate for the degree of Master of Science in Home Economics must select two members of the faculty to serve as her special committee. These are selected with the approval of the Dean of the Division of Home Economics, who is a member of all graduate committees. The chairman of the committee must represent the field of concentration; the others may be chosen in a related field, depending upon the program selected by the candidate.

The committee members' consent to serve, together with the plan for graduate study, must be filed with the Dean of the Division of Home Economics and the Director of Graduate Studies on the proper blank as soon as possible after the initial registration for graduate studies.

Since admission to graduate status does not necessarily imply that the student is a candidate for an advanced degree, some students find it desirable to take courses without making the above plans. If such a student should decide to become a candidate for an advanced degree, credits will be evaluated by the Graduate Committee. All requirements must be met as outlined in the selected major.

A suggested list of courses appears in the curricula which follow. In addition, certain other courses in the 300 and 400 number series may be taken for graduate credit with the consent of the Dean of the Division of Home Economics.

Home Economics Education

This program is directed primarily toward the extension of the professional training of home economics teachers. Graduate work in this area is becoming increasingly essential because of present-day demands for higher degrees. This program is designed also for those who wish to enter the fields of supervision, administration, or teacher education.

Home Economics Education Courses — Major

		Sem. Hrs.
Ed. 401	Guidance	2
Ed. 402	Philosophy of Vocational and Adult Education	2
Ed. 415	Workshop in Vocational and Adult Homemaking	2
Ed. 416	Problems in Teaching Vocational and Adult Homemaking	2
H.E. 425	Selection and Arrangement of Equipment for Home Ec. Labs.	3
H.E. 429	Family Centered Homemaking Program	2
Ed. 436	Course Development	2
Ed. 439	Production of Audio-Visual Materials	2
Ed. 441	Education Evaluation	2
Ed. 449	Psychology of Counseling and Guidance	2
Ed. 451	Evaluation in Home Economics Education	2
Ed. 462	Workshop for Homemaking Teachers	2 or 3
Ed. 472	Coordination	2
H.E. 474	Teaching High School Food Classes in One Period	2
Ed. 490	Workshop in Tests and Measurements in Counseling	2
Ed. 500	Philosophy of Modern Education	2
*Ed. 501	Research Procedures	2
Ed. 502	Principles of Supervision	2
H.E. 506	Problems in Supervision	2
Ed. 508	Curriculum Studies in Home Economics	2 to 4
*H.E. 510	Problems in Home Economics Education	2
Ed. 513	Personality and Mental Health	2
Ed. 520	Current Problems in Home Economics Education	2
Ed. 524	Social Maladjustments	2
H.E. 524	Supervision in Home Economics Teaching	3
H.E. 526	Administration	2
Ed. 531	Problems in Guidance	2
Ed. 555	Psychology of Learning	2
*Ed. 561	Educational Statistics	2
H.E. 561	Seminar in Home Economics Education	2
H.E. 562	Coordinator's Workshop	1
H.E. 563	Home Economics on Radio and TV	2 or 3
Ed. 570	Thesis	6
	Related courses in Arts and Sciences	5

Minor: 10 semester hours of Home Economics courses to be selected from the 400-500 series.

* *Required course.*

Food and Nutrition

THIS PROGRAM is designed to increase the professional knowledge and competency of those engaged in the food and nutrition fields. Specialization in these areas may lead to advanced positions in teaching, institution management, dietetics, and nutrition work in schools, public health service, or social welfare organizations. Graduate work in food and nutrition also offers training for students interested in preparing for positions in food demonstration, research, home service, and a wide range of home economics positions in business.

Food, Nutrition, Dietetics, and Institution Management Courses — Major

		Sem. Hrs.
H.E. 300	Applied Institution Management	3
H.E. 310	Nutrition and Dietetics	3
H.E. 328	Institution Administration	3
H.E. 400	Food and Equipment Demonstration	2
H.E. 404	Food for Family Entertaining	2
H.E. 418	Diet in Disease	3
H.E. 419	Nutrition	2
H.E. 423	Planning and Equipping Home Economics Laboratories	3
H.E. 425	Selection and Arrangement of Equipment for Home Ec. Labs.	3
H.E. 438	Experimental Food	3
Sci. 442	Community Hygiene	2 or 3
H.E. 443	School Food Service	2 or 3
H.E. 446	Food Preservation	2
H.E. 452	Institution Food Preparation	3
H.E. 463	Institution Management Problems	2 or 3
*Ed. 501	Research Procedures	2
H.E. 501	Trends in Nutrition	2
H.E. 508	Food Seminar	2
*H.E. 510	Problems in Home Economics Education	2
H.E. 511	Nutrition Seminar	2
H.E. 513	Institution Management Seminar	2
H.E. 545	Workshop in Food	2
H.E. 556	Advanced Experimental Food	3 or 4
*Ed. 561	Educational Statistics	2
Ed. 570	Thesis	6

Minor: 10 semester hours in any of the following areas or a combination: Education, Clothing and Textiles, Family Life, Related Art, and related arts and sciences.

* *Required course.*

Clothing, Textiles, and Related Art

Clothing, Textiles, and Related Art Courses — Major

		Sem. Hrs.
H.E. 316	Clothing Economics	2
Art 332	Advanced Design	2
Art 334	Home Furnishings	3
H.E. 336	Clothing Problems	2
Art 400	Crafts	2
Art 410	Pottery	2
H.E. 412	Applied Dress Design	2
H.E. 414	Children's Clothing	2
Art 423	Problems in Home Furnishing	2
Art 430	Art History	2
Art 436	Costume Design	2
H.E. 445	Design and Construction of Slipcovers	2
H.E. 447	Design and Construction of Draperies and Lampshades	2
Art 448	Housing	2
Art 460	Creative Art	2
H.E. 466	Modern Methods of Clothing Construction	2
H.E. 471	History of Costume	2
H.E. 472	Advanced Textiles	2
H.E. 500	Tailoring	3
*Ed. 501	Research Procedures	2
*H.E. 510	Problems in Home Economics Education	2
H.E. 514	Seminar in Clothing and Textiles	2
Art 526	Seminar in Related Art	2
H.E. 544	Workshop in Clothing and Textiles	2
*Ed. 561	Educational Statistics	2
Ed. 570	Thesis	6

Minor: 10 semester hours in any of the following areas or a combination: Education, Food and Nutrition, Family Life, and related arts and sciences.

* *Required course.*

DESCRIPTION OF COURSES

THE COURSES numbered 500 and above are graduate courses and are restricted to graduate students. However, some courses in the 300 and 400 number series (upper-division courses) may be taken for graduate credit. In upper-division courses, prerequisites are listed in the course descriptions. Occasionally, for flexibility in programming, students are permitted to take certain courses concurrently; such courses are designated as "Prerequisite or parallel."

Credits are expressed in semester hours. The distribution of lecture and laboratory hours for laboratory courses is given in parenthesis. For example, (1-4) means one hour of lecture or discusssion and four hours of laboratory per week.

PSYCHOLOGY

EDUCATION 303 — EDUCATIONAL PSYCHOLOGY

Prerequisite: Education 123

Child and adolescent development; learning and its guidance, the individual student, and the implications of interests and attitudes.

Sem. I, II Credit: 2

Oetting

EDUCATION 449 — PSYCHOLOGY OF COUNSELING AND GUIDANCE

Prerequisite: Psychology 123 or equivalent

Educational and personal counseling. Predicting and controlling behavior of self and others, precise methods of trait measurement, and modern procedures for capitalizing upon potentialities; supervised practice in counseling.

SS Credit: 2

Oetting

EDUCATION 513 — PERSONALITY AND MENTAL HEALTH

The nature of personality and the conditions which make for its wholesome development, its maintenance and integration. Personality inventories and scales used for self-analysis.

Sem. I, II Credit: 2

Oetting

EDUCATION 514 — VOCATIONAL PSYCHOLOGY

Application of psychological techniques to industry with emphasis on employee testing, training, scientific management, efficiency, merit ratings, promotion, safety, morale, and labor relations.

Salyer Credit: 2

EDUCATION 555 — PSYCHOLOGY OF LEARNING

The nature and conditions of learning evidenced by laboratory research and supplemented by classroom observation. Findings applied to industrial, vocational, and home economics education.

Sem. I, II — Credit: 2
Oetting

EDUCATION

EDUCATION 360 — AUDIO-VISUAL EDUCATION

Prerequisites: Junior standing

Methods of using audio-visual aids effectively in teaching. Experience in operating projection equipment, construction of training aids, initiating and operating an audio-visual program; practice in planning and presenting a lesson.

Sem. I, II, SS — (1-2) — Credit: 2
Barnard

EDUCATION 401 — GUIDANCE

An overview of the major fields of guidance: philosophy of guidance, understanding the individual, counseling, group guidance, supplementary services and evaluation. Designed for the teacher, counselor, and administrator.

Sem. I, II — Credit: 2
Iverson

EDUCATION 402 — PHILOSOPHY OF VOCATIONAL AND ADULT EDUCATION

The philosophy, historical development, principles and practices, and organization of public vocational and adult education in the nation, with special reference to the Wisconsin program.

Sem. I, II — Credit: 2
Elliott

EDUCATION 439 — PRODUCTION OF AUDIO-VISUAL MATERIALS

Prerequisites: Industrial Education 205 and Education 360, or consent of instructor

Production of motion pictures, filmstrips, standard and miniature slides, mock-ups, models and graphic materials. Selection and organization of subject matter, preparation of scripts, and technical problems of production.

Barnard — (0-10, 9 wks.) — Credit: 2

EDUCATION 441 — EDUCATION EVALUATION

Prerequisite: Education 305 or 320

Various evaluative devices in terms of their use in measuring pupil attainment of course objectives. Characteristics and limitations of different types of tests and test questions; the interpretation of test scores and grades by means of simple statistical procedures; methods of grading manipulative work and assigning final grades.

Sem. I, II — Credit: 2
Rudiger

EDUCATION 472 — COORDINATION

Principles of coordination in vocational education for apprenticeship training, distributive education, trades and industries, and diversified occupations. Work-experience program in general education.

Credit: 2
Sem. I, II, and SS
Wall

EDUCATION 490 — WORKSHOP IN TESTS AND MEASUREMENTS IN COUNSELING

Prerequisite: Teaching experience

Selection, use, and interpretation of tests for teachers and counselors. Types of tests such as interest, achievement, aptitude, and personal inventories are studied and sample applications made.

Credit: 2
SS
Staff

EDUCATION 491 — OCCUPATIONAL AND EDUCATIONAL INFORMATION

Prerequisite: Education 401

This course is designed to help administrators, counselors, and teachers to inform students about occupational and educational opportunities. Typical topics include evaluation of basic information sources, occupational requirements, occupational trends, use of local community information, and uses for occupational information.

Credit: 2
SS
Salyer

EDUCATION 492—ADMINISTRATION OF VOCATIONAL AND ADULT EDUCATION

A survey and analysis of problems in the administration of a vocational and adult school, including legal, policy making, staff personnel, student personnel, curriculum, evaluation, public relations, physical plant, and business management.

SS — Credit: 2

EDUCATION 500 —PHILOSOPHY OF MODERN EDUCATION

A comparative study of the main schools of educational philosophy and of their influence in contemporary education thought and practice; points of agreement and of conflict.

Price — Credit: 2

EDUCATION 501 — RESEARCH PROCEDURES

Basic principles of educational research. A study of the selection of a problem, survey of the literature, types of educational research, planning the study, organization and interpretation of data, and preparation of the research report.

Sem. I, II, SS — Credit: 2
Wall

EDUCATION 502 — PRINCIPLES OF SUPERVISION

Basic principles, types, functions, organization, and plans of supervision. Interpretation and application of creative supervision plans; individual and class projects concerned with applied methods of supervision in selected education areas.

Sem. I, II — Credit: 2
Wigen

EDUCATION 524 — SOCIAL MALADJUSTMENTS

Non-adjustive tendencies of social groups, their social and educational implications. Techniques of readjustment.

Sem. II — Credit: 2
Parmer

EDUCATION 531 — PROBLEMS IN GUIDANCE

Prerequisite: Education 401

Identification and analysis of field problems in personnel services. Selection of materials, development of methods, and preparation of instruments in term report on problem of the student's choice.

Sem. I, II — Credit: 2
Iverson

EDUCATION 561 — EDUCATIONAL STATISTICS

Methods of collecting, recording, evaluating, and interpreting educational data.

Sem. I, II — Credit: 2
Swanson

EDUCATION 570 — THESIS (PLAN A)

Prerequisites: Industrial Education 510 or Home Economics 510

Independent research on thesis under direction of investigation adviser. Selection of problem, development of outline, review of literature, compilation of bibliography, plan of method of attack, conduct of research, interpretation of findings, and preparation of the final paper according to thesis standards. Student may enroll for 2, 4, or 6 semester hours credit, for a final total of six.

Sem. I, II, SS — Total Credit: 6
Staff

INDUSTRIAL EDUCATION

EDUCATION 403 — WORKSHOP IN TRADE AND INDUSTRIAL EDUCATION

Prerequisite: Limited to experienced qualified teachers and consent of instructor

For teachers, coordinators, and local supervisors. Work suited to specific needs of each individual. Supplements required classification courses but cannot be substituted for them.

SS — Credit: 2 to 4
Staff

EDUCATION 407 — TEACHING TRADE AND INDUSTRIAL SUBJECTS

Recognized principles and methods of teaching applied to typical shop and/or related subjects found in schools of vocational and adult education.

SS — Credit: 2
Staff

EDUCATION 423 — SAFETY EDUCATION

Highway, home, industrial, farm, school, and recreational safety. Promotion of a safety program, its content, methods, and materials of instruction.

Sem. I, II — Credit: 2
Kranzusch

EDUCATION 443 — PROBLEMS IN TEACHING TRADE AND INDUSTRIAL SUBJECTS

Individual work following approved practice in the development of instructional material for vocational teaching.

SS — Credit: 2
Staff

EDUCATION 448 — DRIVER EDUCATION

Prerequisite or parallel: Education 423

Teaching methods in driver training. Teaching a trainee to drive, to pass written and road tests, and to secure driver's license; research problem or construction of test apparatus. Driver Training certification by A. A. A. and State Department of Public Instruction on completion of course.

Sem. I, II — Credit: 2
Kranzusch

EDUCATION 452 — DRIVER EDUCATION (ADVANCED COURSE)

Prerequisites: Education 448 and Driver Education Certificate or its equivalent

Program details in driver education in our nation's schools. State laws, school laws and regulations, teaching requirements, technique for improving practice driving instruction, and a survey of research studies; improving teaching methods through evaluation and analysis, use of diagnostic tests and materials. Cooperation with state and other organizations in the presentation of instructional materials.

SS — Credit: 2
A. A. A. Consultants and others

EDUCATION 470 — CONFERENCE LEADING I

Prerequisite: Education 305 or equivalent

Study of teaching. Study and practice of the principles and techniques of conference leading as an instructional device in vocational education.

SS — Credit: 2
Staff

EDUCATION 471 — CONFERENCE LEADING II

Prerequisites: Education 470 or equivalent and consent of instructor
Review of techniques. Demonstration and practice conferences.
SS
Staff
Credit: 2

EDUCATION 475 — INTERVIEWING TECHNIQUES

The interview as a tool in interpersonal relationships. Principles of interviewing; how to interview; pooling measurement information for diagnostic treatment; writing and interpreting case studies.
SS
Staff
Credit: 2

EDUCATION 480 — THEORY AND ORGANIZATION OF GENERAL SHOP

Prerequisite: Senior standing
Industrial education in general and vocational education. Philosophy and types of general shops; purpose and progress classifications of pupils, selection and organization of instructional materials, shop layout and equipment, personnel organization.
Sem. I, II
Chinnock, Swanson
Credit: 2

INDUSTRIAL EDUCATION 506 — PROBLEMS OF SUPERVISION

Prerequisite: Education 502
Interpretation and application of basic principles of supervision. Individual project: selection, analysis, interpretation, and application of plans for a selected supervisory activity. Application of scientific methods for solving supervisory problems.
Staff
Credit: 2

INDUSTRIAL EDUCATION 510 — PROBLEMS IN INDUSTRIAL EDUCATION

Prerequisite: Education 501
Applied research. Interpretation and application of research procedures, use of scientific methods for thesis problem, and orientation of student in terms of selected thesis.
Sem. I, II
Wigen
Credit: 2

INDUSTRIAL EDUCATION 520 — LABOR AND INDUSTRIAL RELATIONS

Human relations in industry from the viewpoints of labor, management, and the government.
Agnew and others
Credit: 2

INDUSTRIAL EDUCATION 526 — ADMINISTRATION

Philosophy and principles underlying organization and operation of public education on the local, state, and national levels in the United States. Examination of prevailing practices and current problems of school management.
Sem. II, SS
Wall
Credit: 2

INDUSTRIAL EDUCATION 533 — SURVEY PROCEDURES

Techniques and methods of conducting community occupational surveys. Analysis of publishing community occupational survey reports; purpose, content organization, personnel budget, forms, promotion, and evaluation.
Sem. I, II, SS
Wall
Credit: 2

INDUSTRIAL EDUCATION 537 — CURRICULUM PROCEDURES *III*
(*Course Development*)

Prerequisite: Education 568 or consent of instructor
Principles of course development are reviewed. Basic divisions of course development covered through preparation of a selected course.
Sem. I, II, SS
Wall
Credit: 2

INDUSTRIAL EDUCATION 557 — PROBLEMS IN GRAPHIC ARTS

Prerequisite: Education 501
Selection of a problem in graphic arts; survey of the literature; organization and interpretation of the data; preparation of a written report.
By arrangement
Credit: 2

INDUSTRIAL EDUCATION 560 — PROBLEMS IN AUDIO-VISUAL EDUCATION

Prerequisite: Education 360
Each student selects a problem on the basis of needs, interests, and previous experience. Project in written form.
Sem. I, II, SS
Barnard
Credit: 2

EDUCATION 568 — CURRICULUM PROCEDURES II (TRADE AND JOB ANALYSIS)

Not available to persons who have had Education 468 or Education 234
Study of systems of analysis of occupations for instructional purposes and for personnel work. Jobs, operations, information topics, blocking, custom trades, service trades, checking levels, progression factors defined. Project in development of complete analysis of an occupation for instructional use.
Sem. II
Fryklund, Jarvis
Credit: 2

HOME ECONOMICS EDUCATION

EDUCATION 427 — METHODS OF TEACHING, INCLUDING VOCATIONAL AND ADULT EDUCATION

Prerequisites: Education 310
Parallels: Education 408 and 441
Techniques of teaching homemaking. Curriculum, unit and lesson planning. Evaluation in homemaking. Adapted to meet the needs, interests and abilities of adolescent and adult classes. Participation in high school classes.
Sem. I, II — Credit: 4
Elliott

EDUCATION 415 — WORKSHOP IN VOCATIONAL AND ADULT HOMEMAKING

Development of teaching materials in adult homemaking. Applicable to the training of call-staff teachers. Work directed towards the needs of teachers, coordinators, and local supervisors of vocational and adult homemaking.
SS — Credit: 2
Staff

EDUCATION 416 — PROBLEMS IN TEACHING VOCATIONAL AND ADULT HOMEMAKING

Prerequisites: Education 402 and 413, and three years teaching vocational and/or adult homemaking
Analysis of problems confronting experienced teachers; development of tentative solutions.
SS — Credit: 2
Elliott

HOME ECONOMICS 429 — THE FAMILY-CENTERED HOMEMAKING PROGRAM

Prerequisite: Education 427, or teaching experience
Philosophy and development of homemaking programs based on family living today. Methods and teaching aids.
SS — Credit: 2
Elliott

EDUCATION 436 — COURSE DEVELOPMENT

Prerequisite: Teaching experience
Philosophy and techniques of developing homemaking courses based on problems of family living and pupil needs and interests. Preparation of resource units.
SS — Credit: 2
Noble

EDUCATION 451 — EVALUATION IN HOME ECONOMICS EDUCATION

Criteria, techniques, and devices for evaluating the home economics program. Opportunity for developing measuring devices.
SS — Credit: 2
Noble

EDUCATION 462 — WORKSHOP FOR HOMEMAKING TEACHERS

Prerequisite: Teaching experience or consent of instructor
Planned for homemaking teachers in one or two teacher departments. Teachers select problems on which they wish to work.
SS — Credit: 2 or 3
Harper

HOME ECONOMICS 474 — TEACHING HIGH SCHOOL FOOD CLASSES IN ONE PERIOD

Meal planning, preparation and service; involves presentation of techniques in managing high school homemaking classes which meet daily for one period only.
SS — Credit: 2

HOME ECONOMICS 506 — PROBLEMS OF SUPERVISION

Prerequisite: Education 502
Interpretation and application of basic principles of supervision. Individual project: selection, analysis, interpretation, and application of plans for a selected supervisory activity. Application of scientific methods for solving supervisory problems.
Staff — Credit: 2

EDUCATION 508 — CURRICULUM STUDIES IN HOME ECONOMICS

Principles of curriculum construction. Review of recent literature on curriculum development. Evaluation of curriculum practices and techniques. Student may work on own curriculum problems.
SS — Credit: 2 to 4
Staff

HOME ECONOMICS 510 — PROBLEMS IN HOME ECONOMICS EDUCATION

Prerequisite: Education 501
Applied research. Interpretation and application of research procedures, use of scientific methods for thesis problem, and orientation of student in terms of selected thesis.
Sem. I, II — Credit: 2
Wigen

EDUCATION 520 — CURRENT PROBLEMS IN HOME ECONOMICS EDUCATION

Identification and analysis of problems current in the field of home economics education. Term paper on individual problem.
SS — Credit: 2
Noble

HOME ECONOMICS 524 — SUPERVISION IN HOME ECONOMICS TEACHING

Prerequisite: Teaching experience or consent of instructor
Purposes and philosophy of supervision, the role of the cadet center in preparing home economics teachers, relationships and responsibilities of persons involved, orientation, guidance, and evaluation of student teachers.
SS — Credit: 3

HOME ECONOMICS 526 — ADMINISTRATION

Philosophy and principles underlying organization and operation of public education on the local, state, and national levels in the United States. Examination of prevailing practices and current problems of school management.

Sem. II, SS — Credit: 2

Wall

HOME ECONOMICS 561 — SEMINAR IN HOME ECONOMICS EDUCATION

Readings, discussion and reports of recent literature in education with implications for teaching home economics. Paper on individual problem.

SS — Credit: 2

Noble

HOME ECONOMICS 562 — COORDINATOR'S WORKSHOP

Analysis of coordinator's responsibilities, effective ways of promoting and developing community programs, training new teachers, improving teaching techniques, problems of supervision, evaluation devices. Course planned cooperatively with group to meet special needs.

SS — Credit: 1

HOME ECONOMICS 563 — HOME ECONOMICS ON RADIO AND TV

Basic qualities of radio script for homemaking programs, fundamentals of radio speech, sources of program materials; laboratory projects in script writing, critical analysis of script, practice with tape recorder, experience with actual broadcasting.

SS — Credit: 2 or 3

Kirk

CLOTHING AND TEXTILES

HOME ECONOMICS 316 — CLOTHING ECONOMICS

Prerequisite: Home Economics 317

Family clothing needs and expenditures. Consideration of production, merchandising and consumption of clothing.

Sem. II, alternate years — Credit: 2

Van Ness

HOME ECONOMICS 336 — CLOTHING PROBLEMS

Prerequisite: Home Economics 218

Preparation for teaching clothing. Evaluation and preparation of illustrative material; flat pattern designing; opportunity for individual studies.

Sem. II — (0-4) — Credit: 2

Jeter

HOME ECONOMICS 412 — APPLIED DRESS DESIGN

Prerequisite: Home Economics 218

Application of principles of costume design in the construction of garments by means of draping. Emphasis on individuality in costume through appropriate use of line, proportion, color, and texture. Field trip.

Sem. II, alternate years — (0-4) — Credit: 2

Van Ness

HOME ECONOMICS 414 — CHILDREN'S CLOTHING

Prerequisite: Home Economics 218

Problems in selecting, planning and constructing children's clothing. Relation of design to self-help. Garments designed and made for children who can be studied in the laboratory.

Sem. I — (0-4) — Credit: 2

Jeter

HOME ECONOMICS 445 — DESIGN AND CONSTRUCTION OF SLIP COVERS

The principles of design and their application to the selection of fabrics. Construction of slip covers for modern and traditional decor.

SS — Credit: 2

HOME ECONOMICS 447 — DESIGN AND CONSTRUCTION OF LAMPSHADES AND DRAPERIES

Construction of lampshades and draperies to conform with present trends in home furnishing.

SS — Credit: 2

HOME ECONOMICS 466 — MODERN METHODS OF CLOTHING CONSTRUCTION

Prerequisite: Teaching experience or consent of instructor

Functional methods of garment construction. Cutting the garment to fit; newer sewing techniques; functional arrangement of equipment.

SS — Credit: 2

Jeter, Van Ness

HOME ECONOMICS 471 — HISTORY OF COSTUME

Development of costume throughout the ages. Factors which influence change in fashion; qualities in style that make for lasting beauty; influence of the past on present-day costume.

SS — Credit: 2

Jeter

HOME ECONOMICS 472 — ADVANCED TEXTILES

Prerequisite: Home Economics 315

Investigations and new developments in the textile field. Opportunity for individual problems.

SS — Credit: 2

Van Ness

HOME ECONOMICS 500 — TAILORING
Prerequisite: Home Economics 218 or consent of instructor
Application of tailoring techniques in the making of suits and coats. Preparation of illustrative material for teaching.
SS Credit: 3
Jeter

HOME ECONOMICS 514 — SEMINAR IN CLOTHING AND TEXTILES
Discussion and interpretation of recent developments in clothing. Individual reports.
SS Credit: 2
Jeter, Van Ness

HOME ECONOMICS 544 — WORKSHOP IN CLOTHING AND TEXTILES
Prerequisite: Teaching experience or consent of instructor. Opportunity for cooperative work in some aspect of clothing study.
SS Credit: 2
Staff

FOOD, NUTRITION, DIETETICS, AND INSTITUTION MANAGEMENT

HOME ECONOMICS 300 — APPLIED INSTITUTION MANAGEMENT
Prerequisite: Home Economics 308
Preparation and service of meals in the college tea room under the direction of a student manager. Meal planning, recipe selection, economical use of materials and time, dining room management, food preparation, and cost control.
Sem. I, II (1-4) Credit: 3
Killian

HOME ECONOMICS 310 — NUTRITION AND DIETETICS
Prerequiste: Home Economics 212
Fundamental principles of human nutrition applied to individual, family and community problems. Planning of dietaries.
Sem. I (1-4) Credit: 3
Meiller

HOME ECONOMICS 328 — INSTITUTION ADMINISTRATION
Prerequisite or parallel: Home Economics 308
The organization and administration of food service in institutions such as hospitals, schools, and commercial establishments. Personnel management, purchasing, records and accounts, and housekeeping.
Sem. II Credit: 3
Killian

HOME ECONOMICS: 400 — FOOD AND EQUIPMENT DEMONSTRATION
Prerequisite: Home Economics 308
Planning and giving demonstrations. Active supervised participation; group criticism; observation of demonstrations by Home Economics specialists in the commercial field. Final demonstration open to public.
Sem. II (0-4) Credit: 2
Carrison

HOME ECONOMICS 404 — FOOD FOR FAMILY ENTERTAINING
Prerequisite: Home Economics 212
Suggestions for smart, gracious, yet simple and inexpensive entertaining. Demonstrations combined with group and individual activities.
SS Credit: 2

HOME ECONOMICS 418 — DIET IN DISEASE
Prerequisite or parallel: Home Economics 310, Science 322 and 362
Modification of the normal diet in pathological conditions. Rapid computation of dietaries. Preparation of special diets.
Sem. II (1-4) Credit: 3
Meiller

HOME ECONOMICS 419 — NUTRITION
Prerequisite: Home Economics 212
Recent advances in nutrition and their significance in the selection of food for the family.
SS Credit: 2
Meiller

HOME ECONOMICS 423 — PLANNING AND EQUIPPING HOME ECONOMICS LABORATORIES
Planning pleasant and functional teaching centers in homemaking departments. Principles of floor arrangement; selection, placement, care and use of equipment. Study of finishes for walls, working surfaces and floors.
SS Credit: 3
Carrison, Trullinger and equipment specialists

HOME ECONOMICS 425 — SELECTION AND ARRANGEMENT OF EQUIPMENT FOR HOME ECONOMICS LABORATORIES
Selection, placement, care and use of equipment and utensils for family-centered teaching in homemaking laboratories. Consultant service on plans for equipping new and remodeled laboratories.
SS Credit: 3
Trullinger

HOME ECONOMICS 438 — EXPERIMENTAL FOOD
Prerequisite: Home Economics 230 and Science 125
Experimentation with selected food materials, techniques and equipment. Opportunity for directed study and work in an individually chosen area.
Sem. I (0-6) Credit: 3
Meiller

HOME ECONOMICS 443 — SCHOOL FOOD SERVICE
Prerequisite: Home Economics 308 or equivalent
For persons who are responsible for supervision of school food service. Cost accounting, menu planning, sanitation studies and waste studies. Studies of student attitudes and personnel attitudes. Effects of limited space, time, equipment and budget on menu flexibility.
SS Credit: 2 or 3
Killian

HOME ECONOMICS 446 — FOOD PRESERVATION
Prerequisite: Home Economics 114
Application of principles of food preservation with emphasis on freezing and other modern methods.
SS Credit: 2
Staff

HOME ECONOMICS 452 — INSTITUTION FOOD PREPARATION
Prerequisite: Home Economics 308
Institution meal planning, standardization of recipes, calculation of food costs, operation and care of equipment, preparation of food for the college cafeteria. Specific problems of food selection and large quantity preparation.
Sem. I (1-4) Credit: 3
Killian

HOME ECONOMICS 463 — INSTITUTION MANAGEMENT PROBLEMS
Prerequisites: Home Economics 328, and 300 or 452
Directed individual work in selected problems. Laboratory problems in the college cafeteria and tea room.
Sem. I, II (0-4 or 6) Credit: 2 or 3
Killian

HOME ECONOMICS 501 — TRENDS IN NUTRITION
Prerequisite: Home Economics 212
Practical application of recent developments in the field of nutrition.
SS Credit: 2
Meiller

HOME ECONOMICS 508 — FOOD SEMINAR
Prerequisite: Home Economics 308
Discussion and interpretation of recent developments in food preparation, food processing and food products. Choice of problems based on needs and interests of student.
SS Credit: 2
Staff

HOME ECONOMICS 511 — NUTRITION SEMINAR
Prerequisite: Home Economics 308
Discussion and interpretation of recent developments in fundamental and applied nutrition. Choice of problems based on needs and interests of student.
SS Credit: 2
Meiller

HOME ECONOMICS 513 — INSTITUTION MANAGEMENT SEMINAR
Prerequisites: Home Economics 328, and 300 or 452
Discussion and interpretation of recent developments in institution management. Choice of problems based on needs and interests of student.
SS Credit:2
Killian

HOME ECONOMICS 545 — WORKSHOP IN FOODS
Prerequisite: Home Economics 308
Individual development of subject matter, evaluation instruments, instructional materials and demonstration techniques.
SS Credit: 2

HOME ECONOMICS 556 — ADVANCED EXPERIMENTAL FOOD
Prerequisite: Home Economics 438
Principles of research methods applied to directed individual investigations in food preparation.
SS Credit: 3 or 4
Meiller

RELATED ART

ART 332 — ADVANCED DESIGN
Prerequisite: Art 106
Further application of art principles to designs for houshold needs; textiles for drapery or wall-hangings, ceramic pieces, lamps, glass, and linens.
Sem. I, alternate years (0-4) Credit: 2
Thvedt

ART 334 — HOME FURNISHING
Prerequisite: Art 106
Problems involving selection of home furnishings. Color, design, and materials as they apply to home planning; development of consumer discrimination.
Sem. I, II (1-4) Credit: 3
Amon

ART 400 — CRAFTS
Prerequisite: Art 106
Creative design and construction in several crafts: weaving, leather, ceramics.
Sem. I, II (0-4) Credit: 2
Amon, Thvedt

ART 410 — POTTERY

Design and construction of pottery. Coil, slab, and mold methods; decorating, glazing, and firing.
Amon (0-4) Credit: 2

ART 423 — PROBLEMS IN HOME FURNISHING

Prerequisite: Art 334
Draperies, slip-covers, and other articles for the home designed and made; furniture reconditioned.
Amon (0-4) Credit: 2

ART 430 — ART HISTORY

Significant periods of furniture, china, silverware, textiles, and the fine arts. Field trips to Minneapolis and St. Paul galleries.
Sem. II, alternate years Credit: 2
Thvedt

ART 436 — COSTUME DESIGN

Prerequisite: Home Economics 218
Development of original designs for costumes, based on study of design sources.
Thvedt (0-4) Credit: 2

ART 448 — HOUSING

Prerequisite: Art 334
Financial and legal aspects of building. Suitability of home to geographical locations and family needs. Actual plans for a new or remodeled home.
Sem. I, alternate years (0-4) Credit: 2

ART 460 — CREATIVE ART

Prerequisite: Art 106
Creative approach to art with emphasis on composition. Pencil, watercolor, chalk, fingerpaint.
SS Credit: 2
Amon, Thvedt

ART 526 —SEMINAR IN RELATED ART

Flexible course in which the interests and needs of students are given important consideration. Fundamental material in the integration of art with home economics subject matter.
SS Credit: 2
Staff

SCIENCE

SCIENCE 427 — PHYSICS IV (ELECTRONICS)

Prerequisite: Science 421
An introduction to the study of electron tubes at work. Electronic devices used in industry for the control of machines.
Sem. I (2-2) Credit: 3

SCIENCE 432 — HEREDITY AND EUGENICS

The essential principles of genetics and eugenics and its application to the human family. Physical, physiological and mental traits in man; positive and negative eugenics and euthenics.
Sem. I Credit: 2 or 3
Arneson

SCIENCE 442 — COMMUNITY HYGIENE

Disease prevention through education, sanitation, isolation and immunization. Public health programs and operation of federal and state laws.
Sem. I, II Credit: 2 or 3
Marshall

SOCIAL SCIENCE

SOCIAL SCIENCE 407 — HISTORY OF THE AMERICAS

Prerequisite: Social Science 200 or consent of instructor
History of the United States of America, broadened to include parallel developments in Latin America and Canada.
Sem. I, II Credit: 3
Agnew

SOCIAL SCIENCE 409 — RECENT HISTORY OF THE UNITED STATES

American history in the twentieth century. Study of recent world problems in which the United States has played a part.
SS Credit:2
Agnew

SOCIAL SCIENCE 410 — MODERN WORLD

Prerequisite: Social Science 200 or consent of instructor
Modern trends in terms of historical backgrounds, providing a frame of reference for interpreting the contemporary world. United Nations.
Sem. I, II Credit: 3
Agnew

SOCIAL SIENCE 411 — PROBLEMS OF AMERICAN SOCIETY

Prerequisite: Seven hours of social science or consent of instructor
Analysis, interpretation, and synthesis of sociological phenomena with purposive solutions to attain a social philosophy of life.
Sem. II Credit: 2
Parmer

SOCIAL SCIENCE 417 — AMERICAN POLITICS

Prerequisite: Social Science 311
Analysis of modern political parties. Nominating methods, campaigns, elections, practical politics in legislative bodies, and machines and bosses.
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Agnew

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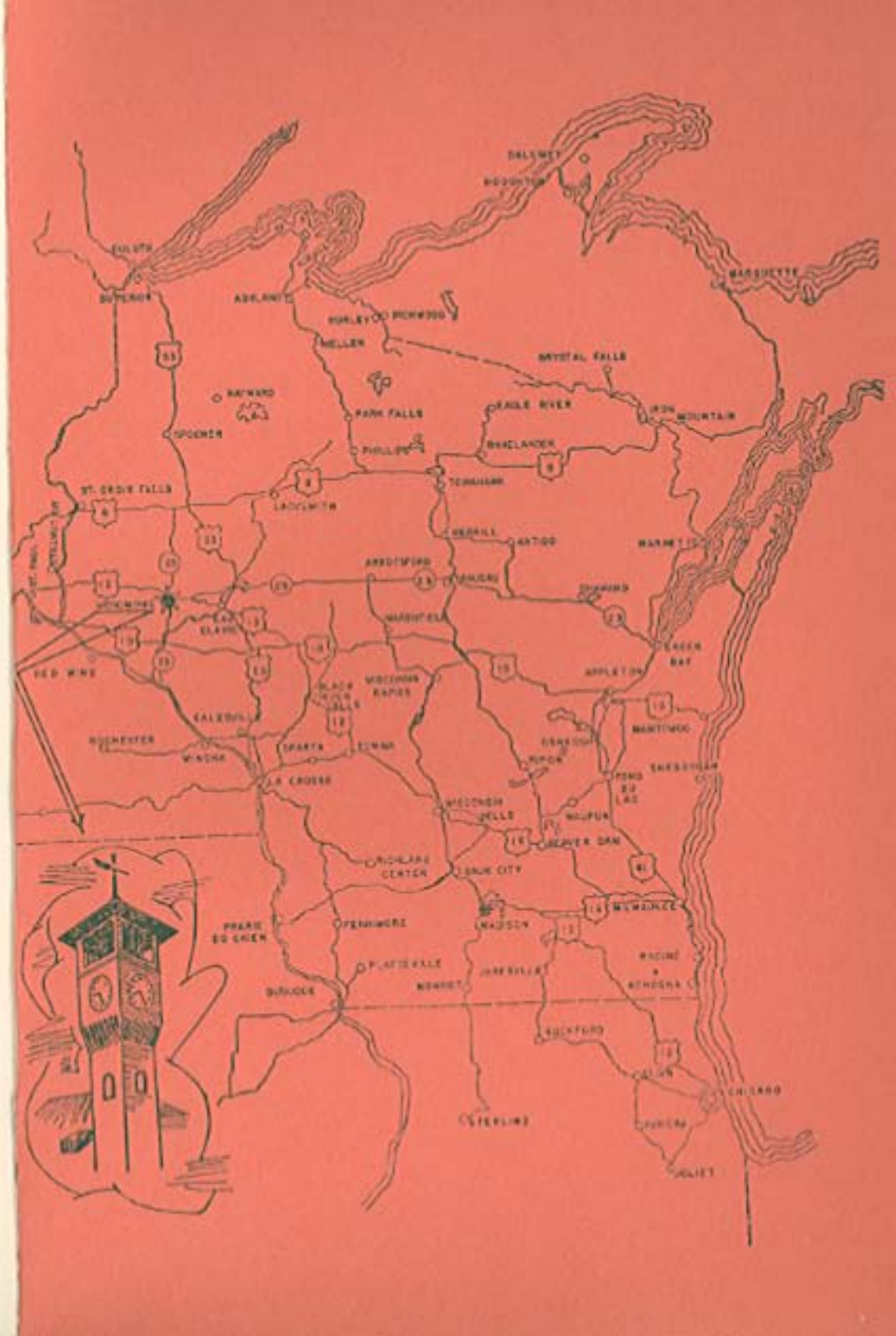
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